

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

In the specification, paragraphs have been amended on pages 2 and 3.

Claims 1, 2, and 11-15 are currently being amended.

Claims 16-20 are being added.

This amendment adds and changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier. After amending the claims as set forth above, claims 1-20 are now pending in this application.

The specification was objected to by the Examiner. Applicant has amended the specification as suggested by the Examiner in order to overcome the rejection. Withdrawal of the objection to the specification is respectfully requested.

Claim 1 stands objected to because of informalities and claims 2 and 12 stand rejected under 35 U.S.C. §112, second paragraph. These claims have been amended to overcome the objection and rejections. Withdrawal is respectfully requested.

Claims 1-8, 10-11, and 13-15 stand rejected under 35 U.S.C. §102(b) as being anticipated by Raith. Claims 9 and 12 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Raith in view of Chen. Applicant traverses these rejections.

Embodiments of the present invention relate to methods and systems for providing a broadcast or multicast service to a terminal device in a data network such that a connection state of the terminal device is switched to a dedicated channel state in response to a broadcast service notification. Thereby, point-to-point connections can be used for data transmission of broadcast or multicast services without requiring any additional responses from the concerned terminal devices.

The basic teaching underlying the Raith reference differs quite substantially from the presently claimed invention. For example, columns 20 and 21 of Raith relate to an efficient sleep mode operation (emphasis added) of a mobile terminal which allows the mobile station to stay in sleep mode when there is no change in the structure parameters of a digital control channel (DCCH). A point-to-multipoint channel (BCCH) is used for broadcasting structure parameters to decouple the requirement of a mobile station periodically reading the overhead information for efficient sleep mode operation from the requirement of the system periodically reading the BCCH transmission for fast acquisition at the cell station. The mobile station can read only changed BCCH information and can stay in sleep mode when there is no change in the BCCH information.

The Examiner claims that the DCCH selection mentioned in column 21, lines 1 and 2 of Raith corresponds to the claimed broadcasting of a service notification. However, the claimed service notification is broadcast from the data network, while the DCCH selection appears to be a cell selection, where the mobile station monitors its PCH slot (see column 23, lines 25-32). As such, the DCCH selection of Raith cannot be regarded as broadcasting a service notification from a network as claimed in the independent claims of the subject application. For this reason, Raith does not anticipate nor does it make obvious the claims of the subject application.

The Examiner also misinterprets the claimed switching of a connecting state to a dedicated channel state. The Examiner argues that the switching of a connecting state corresponds to the acquisition of the DCCH in Raith and the dedicated channel corresponds to the BCCH in Raith. However, this comparison is riddled with inconsistencies because the DCCH is acquired while the BCCH is used for signaling the DCCH structure parameters. More accurately, the claimed configuration parameters correspond to the DCCH structure parameters in Raith, while the BCCH in Raith corresponds to the broadcast or multicast service from the control channel to which the DCCH also corresponds. The Examiner argues that the claimed broadcast or multicast service corresponds to the point-to-multipoint short message service BCCH in Raith. However, this point-to-multipoint service is used for broadcasting the DCCH structure parameters (which correspond to the claimed configuration

parameters). Hence, the point-to-multipoint service described in Raith has nothing to do with the information provided by the DCCH channel. Moreover, it should be noted that the DCCH channel described in Raith is a digital control channel for conveying PCH slots (paging slots) and thus cannot be regarded as a dedicated channel (point-to-point transmission). For these and all of the other reasons described above, Applicant respectfully submits that Raith does not anticipate the current claims of the subject application.

Chen does nothing to cure the problem described with respect to the Raith reference. For all of the same reason, the combination of Raith and Chen does not teach or suggest the current claims of the subject application. Applicant respectfully requests the current claim rejections be withdrawn.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested. The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

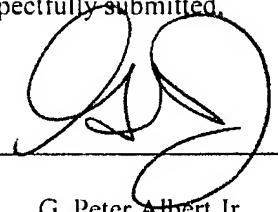
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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FOLEY & LARDNER LLP
Customer Number: 30542
Telephone (858) 847-6735
Facsimile (858) 792-6773

By


G. Peter Albert Jr.
Attorney for Applicant
Registration No. 37,268